

ABSTRACT**A CONTROL AND POWER MODULE FOR AN INTEGRABLE ALTERNATOR-STARTER**

5 The invention relates to a control and power module for an alternator-starter for a motor vehicle, connected between the alternator-starter (3), an on-board wiring network (Ua) and a ground line (GND) of the vehicle, and comprising:

- a transistor bridge with several branches (B1 - B3), and
- 10 - a control unit for comparing a phase voltage ( $\psi$ ) of the machine with a reference voltage (Ua, GND) and for controlling the transistors as a function of the result of the comparison,

the control unit comprising:

- a driver (10, 20, 30) for each branch of the transistor bridge, the driver being connected close to the transistors of the branch, and
- 15 - a control circuit for controlling the drivers.

20 [Figure 2]